L Number	Hits	Search Text	DB	Time stamp
5	647	704/233.ccls.	USPAT;	2003/07/25
			US-PGPUB;	18:16
			EPO; JPO;	
			DERWENT:	l
			IBM_TDB	
6	14	(US-6240347-\$ or US-6052665-\$ or US-5561737-\$ or US-5625697-\$ or US-5319736-\$ or	USPAT;	2003/07/25
		US-5297210-\$ or US-4449238-\$ or US-4627091-\$ or US-5579431-\$ or US-6363156-\$ or	JPO	18:16
		US-6339706-\$ or US-5335312-\$).did. or (JP-03274097-\$ or JP-02077799-\$).did.		
7	1	(US-0000027-\$).did.	USOCR	2003/07/25
				18:16
10	4	704/233.ccls. and ((US-6240347-\$ or US-6052665-\$ or US-5561737-\$ or US-5625697-\$ or	USPAT:	2003/07/25
	j	US-5319736-\$ or US-5297210-\$ or US-4449238-\$ or US-4627091-\$ or US-5579431-\$ or	US-PGPUB;	18:17
		US-6363156-\$ or US-6339706-\$ or US-5335312-\$).did. or (JP-03274097-\$ or	EPO; JPO;	
		JP-02077799-\$).did.)	DERWENT;	
			IBM_TDB	
11	2	(704/233.ccls. and ((US-6240347-\$ or US-6052665-\$ or US-5561737-\$ or US-5625697-\$ or	USPAT;	2003/07/25
		US-5319736-\$ or US-5297210-\$ or US-4449238-\$ or US-4627091-\$ or US-5579431-\$ or	U5-PGPUB;	18:40
		U5-6363156-\$ or US-6339706-\$ or US-5335312-\$).did. or (JP-03274097-\$ or	EPO: JPO:	
		JP-02077799-\$).did.)) and (ratio or signal adj noise or SNR)	DERWENT;	
		,	IBM_TDB	
12	325	704/233.ccls. and (ratio or signal adj noise or SNR)	USPAT:	2003/07/25
		,	US-PGPUB;	18:30
			EPO; JPO;	
			DERWENT;	İ
			IBM_TOB	
13	281	(704/233.ccls. and (ratio or signal adj noise or SNR)) and determin\$6	USPAT:	2003/07/25
		,, , , , , , , , , , , , , , , , , , ,	US-PGPUB;	18:30
			EPO; JPO;	
			DERWENT:	
			IBM TDB	
14	25	(704/233.ccls. and (ratio or signal adj noise or SNR)) and determin\$6 with speaker	USPAT;	2003/07/25
-		(	US-PGPUB;	18:35
			EPO: JPO:	
			DERWENT:	
			IBM_TDB	

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15	626	704/.ccls. and (@pd<=20000830 or @ad<=20000830 or @prad<=20000830) and determin\$6 with	USPAT;	2003/07/25
	1	speaker	US-PGPUB;	18:37
			EPO: JPO;	
			DERWENT:	
			IBM_TDB	
16	73	(704/.ccls. and (@pd<=20000830 or @ad<=20000830 or @prod<=20000830) and determin\$6 with	USPAT;	2003/07/25
		speaker) and (microphones)	US-PGPUB:	18:37
			EPO; JPO;	
			DERWENT;	1
			IBM_TDB	
17	391	(704/.ccls. and (@pd<=20000830 or @ad<=20000830 or @prad<=20000830) and determin\$6 with	USPAT;	2003/07/25
		speaker) and (microphones)	US-PGPUB;	18:37
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
18	31	((704/.ccls. and (@pd<=20000830 or @ad<=20000830 or @prad<=20000830) and determin\$6 with	USPAT;	2003/07/25
	i	speaker) and (microphones)) and (ratio or signal adj noise or SNR)	US-PGPUB;	18:40
			EPO: JPO:	
			DERWENT;	
1			IBM_TDB	
-	37	(("4535473" "4592085" "5765130" "6061651" "6061651" "4763278" "5832440" "5008941"	USPAT;	2002/06/10
		"5479517" "5598505" "4388495" "4415767" "4624009" "4627091" "4783807" "4937869"	EPO: JPO	07:10
		"5007093" "5425127" "5522013" "5727124" "5732388" "5920839" "5949886" "6088670"		
į.	ĺ	"6266398" "6219645" "6219645" "5839109" "4570746" "4769845" "5692059" "5732143"		
		"5812659" "5825897" "6061456" "6061456" "5579431" "5617508" "6029130" "5983186"		
		"4481593" "5365574" "5933475" "6006180" "6134524" "4032710" "4292471" "4481384"		
i		"5208861" "5884257").dwku.		
		) and 704/.ccls.	1	
-	630	nec and speech.ti.	USPAT;	2002/06/10
			EPO; JPO	07:10
-	391	(detect\$4 adj speech or speech adj detect\$4) with noise	USPAT;	2002/06/10
			EPO; JPO	07:11
-	0	(((detect\$4 adj speech or speech adj detect\$4) with noise) and (("4535473" "4592085"	USPAT;	2002/06/10
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		"5933475" "6006180" "6134524" "4032710" "4292471" "4481384" "5208861" "5884257").dwku.		
L		)) and snr	l	<u> </u>

-	85	(voice or speech, e.g. (actuat\$4 or activat\$4) with vehicle	USPAT;	2002/06/10
		(	EPO: JPO	07:12
-	499	telephone adj conference	USPAT;	2002/06/10
			EPO; JPO	07:14
_	91	((telephone with conference) and 704/.ccls.) and (select\$4 or determin\$5)	USPAT:	2002/06/10
	-	( , , , , , , , , , , , , , , , , , , ,	EPO: JPO	07:14
	676	multiple with microphones	USPAT;	2002/06/10
	1		EPO; JPO	07:14
	18	(("4212600") or ("6062103") or ("3284589") or ("0472356") or ("4163496") or ("8328579") or	USPAT;	2002/06/10
	1	("1924879") or ("4097400") or ("6052477") or ("2025608") or ("4119400") or ("7056596") or	EPO; JPO	07:16
	1	("2049173") or ("69101527") or ("5214707")).PN.		
	4	microphone and automobile and nolan.exa.	USPAT;	2002/06/10
			EPO; JPO	07:16
	37	matsushita adj mitsugi	USPAT;	2002/06/10
			EPO; JPO	07:16
	27	furukowa adj katsuo	USPAT;	2002/06/10
	T.		EPO; JPO	07:16
	1	furukowa adi katsuo and speech	USPAT;	2002/06/10
	1	To divide day has see and speech	EPO: JPO	07:16
	6	((detect\$4 adj speech or speech adj detect\$4) with noise) and (("4535473" "4592085"	USPAT:	2002/06/10
	"	"5765130" "6061651" "6061651" "4763278" "5832440" "5008941" "5479517" "5598505"	EPO: JPO	07:16
	1	"4388495" "4415767" "4624009" "4627091" "4783807" "4937869" "5007093" "5425127"		
		"5522013" "5727124" "5732388" "5920839" "5949886" "6088670" "6266398" "6219645"		}
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	-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	3	/ /("4535473" "4592085" "5765130" "6061651" "6061651" "4763278" "5832440" "5008941"	USPAT:	2002/06/10
	1	"5479517" "5598505" "4388495" "4415767" "4624009" "4627091" "4783807" "4937869"	EPO: JPO	07:16
		"5007093" "5425127" "5522013" "5727124" "5732388" "5920839" "5949886" "6088670"	2.0,0.0	• • • • • • • • • • • • • • • • • • •
		"6266398" "6219645" "6219645" "5839109" "4570746" "4769845" "5692059" "5732143"		
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		"4481593" "5365574" "5933475" "6006180" "6134524" "4032710" "4292471" "4481384"		
		"5208861" "5884257").dwku.		
		) and snr	LISDAT	2002/06/10
	560	( ((voice or speech) adj (actuat\$4 or activat\$4 or operat\$4))) and vehicle	USPAT;	07:16
			EPO; JPO	
•	411	(voice or speech) adj (actuat\$4 or activat\$4) and vehicle	USPAT;	2002/06/10
	1		EPO; JPO	07:16

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	113	(((voice or speech) adj (actuat\$4 or activat\$4)) with control) and vehicle	USPAT;	2002/06/10
		(((((((((((((((((((((((((((((((((((((((	EPO: JPO	07:16
	8	(telephone adj conference) and 704/.ccls.	USPAT:	2002/06/10
		(	EPO; JPO	07:16
	91	(telephone with conference) and 704/.ccls.	USPAT;	2002/06/10
		( · · · · · · · · · · · · · · · · · · ·	EPO: JPO	07:16
	60	((telephane with conference) and 704/.ccls.) and (select\$4 or determin\$5) with (microphone or	USPAT;	2002/06/10
		speaker or input)	EPO: JPO	07:16
	409	(multiple with microphones) and (select\$4 or determin\$5) with (microphone or speaker or input)	USPAT;	2002/06/10
	1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	EPO; JPO	07:17
	92	((multiple with microphones) and (select\$4 or determin\$5) with (microphone or speaker or input))	USPAT;	2002/06/10
	1	and conference	EPO: JPO	07:17
	9	(((multiple with microphones) and (select\$4 or determin\$5) with (microphone or speaker or input))	USPAT;	2002/06/10
		and conference) and speech adj level	EPO: JPO	07:17
	9	((((multiple with microphones) and (select\$4 or determin\$5) with (microphone or speaker or input))	USPAT;	2002/06/10
		and conference) and speech adj level) and (time or duration or length)	EPO; JPO	07:17
_	0	(("US 5579431 A") or ("US 5625697 A") or ("US 5319736 A") or ("US 5297210 A") or ("US	USPAT;	2002/06/10
		4449238 A") or ("JP 3274097 A") or ("JP 2077799 A") or ("US 4627091 A") or ("US 6363156	EPO: JPO	07:18
		B1") or ("US 6339706 B1") or ("US 6240347 B1") or ("US 6052665 A") or ("US 5561737 A")).PN.		
_	11	l ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	USPAT;	2002/06/10
	"	("2077799") or ("4627091") or ("6363156") or ("6339706") or ("6240347") or ("6052665") or	EPO; JPO	07:22
		("5561737")).PN.) and (signal with noise or s/n or s adj n or ratio)		
_	1738055	(((("5579431") or ("5625697") or ("5319736") or ("5297210") or ("4449238") or ("3274097") or	USPAT;	2002/06/10
	1	("2077799") or ("4627091") or ("6363156") or ("6339706") or ("6240347") or ("6052665") or	EPO: JPO	07:23
		("5561737")).PN.) and (signal with noise or s/n or s adj n or ratio)) and aver\$4 woth (voice or power		İ
		or amplitude)		1
	1	(((("5579431") or ("5625697") or ("5319736") or ("5297210") or ("4449238") or ("3274097") or	USPAT;	2002/06/10
	_	("2077799") or ("4627091") or ("6363156") or ("6339706") or ("6240347") or ("6052665") or	EPO; JPO	07:23
		("5561737")).PN.) and (signal with noise or s/n or s adj n or ratio)) and aver\$4 with (voice or power		
		or amplitude)		
	3	(((("5579431") or ("5625697") or ("5319736") or ("5297210") or ("4449238") or ("3274097") or	USPAT:	2002/06/10
		("2077799") or ("4627091") or ("6363156") or ("6339706") or ("6240347") or ("6052665") or	EPO; JPO	07:31
		("5561737")).PN.) and (signal with noise or s/n or s adj n or ratio)) and aver\$4 with (voice or power		
		or amplitude or strength)		-
	3	((((("5579431") or ("5625697") or ("5319736") or ("5297210") or ("4449238") or ("3274097") or	USPAT;	2002/06/10
	1	("2077799") or ("4627091") or ("6363156") or ("6339706") or ("6240347") or ("6052665") or	EPO: JPO	07:31
		("5561737")).PN.) and (signal with noise or s/n or s adj n or ratio)) and aver\$4 with (voice or power	1	1
	1	or amplitude or strength)) and (order or sort or first or most)		1
	0	("1 and (noise with speech)").PN.	USPAT;	2002/10/18
		/	EPO; JPO	12:59

-	0	("1 and (noise)"	USPAT;	2002/10/18
			EPO: JPO	12:59
-	14	(("5579431") or ("5625697") or ("5319736") or ("5297210") or ("4449238") or ("3274097") or	USPAT:	2002/10/18 13:14
		("2077799") or ("4627091") or ("6363156") or ("6339706") or ("6240347") or ("6052665") or	EPO: JPO	1001/10/10 15:11
		("5561737")).PN.	2.0,0.0	1
-	7	((("5579431") or ("5625697") or ("5319736") or ("5297210") or ("4449238") or ("3274097") or	USPAT:	2002/10/18 13:17
		("2077799") or ("4627091") or ("6363156") or ("6339706") or ("6240347") or ("6052665") or	EPO: JPO	2002/10/10 13/1/
		("5561737")).PN.) and (noise with speech)	10,0,0	
	0	("6,240,347 6,052,665 5,625,697 4,449,238 5,297,210 5,319,736 6,134,524 5,214,707"),PN,	USPAT:	2002/10/18 13:15
		, , , , , , , , , , , , , , , , , , ,	EPO: JPO	
	8	(6,240,347 6,052,665 5,625,697 4,449,238 5,297,210 5,319,736 6,134,524 5,214,707),pn.	USPAT:	2002/10/18 13:15
	1 1	, , , , , , , , , , , , , , , , , , ,	EPO: JPO	1002/10/10 10:13
	6	((("5579431") or ("5625697") or ("5319736") or ("5297210") or ("4449238") or ("3274097") or	USPAT:	2002/10/18
		("2077799") or ("4627091") or ("6363156") or ("6339706") or ("6240347") or ("6052665") or	EPO: JPO	14:58
		("5561737")).PN.) and ((6,240,347 6,052,665 5,625,697 4,449,238 5,297,210 5,319,736		1
	[ ]	6,134,524 5,214,707).pn.)		i
	16	((("5579431") or ("5625697") or ("5319736") or ("5297210") or ("4449238") or ("3274097") or	USPAT:	2002/10/18
		("2077799") or ("4627091") or ("6363156") or ("6339706") or ("6240347") or ("6052665") or	EPO: JPO	14:58
	ļ -	("5561737")).PN.) or ((6,240,347 6,052,665 5,625,697 4,449,238 5,297,210 5,319,736 6,134,524	1.0,0.0	1
	i i	5,214,707).pn.)	1	
	9	(((("5579431") or ("5625697") or ("5319736") or ("5297210") or ("4449238") or ("3274097") or	USPAT:	2002/10/18
	i i	("2077799") or ("4627091") or ("6363156") or ("6339706") or ("6240347") or ("6052665") or	EPO: JPO	14:58
		("5561737")).PN.) or ((6,240,347 6,052,665 5,625,697 4,449,238 5,297,210 5,319,736 6,134,524	2.0,0,0	150
		5,214,707).pn.)) and (noise with speech)		
	9	((((("5579431") or ("5625697") or ("5319736") or ("5297210") or ("4449238") or ("3274097") or	USPAT:	2002/10/18 15:17
		("2077799") or ("4627091") or ("6363156") or ("6339706") or ("6240347") or ("6052665") or	EPO: JPO	
		("5561737")).PN.) or ((6,240,347 6,052,665 5,625,697 4,449,238 5,297,210 5,319,736 6,134,524	,	İ
		5,214,707).pn.)) and (noise with speech)) and high\$4		
	0	(((("5579431") or ("5625697") or ("5319736") or ("5297210") or ("4449238") or ("3274097") or	USPAT:	2002/10/18 15:17
	i	("2077799") or ("4627091") or ("6363156") or ("6339706") or ("6240347") or ("6052665") or	EPO: JPO	
	1	("5561737")).PN.) or ((6,240,347 6,052,665 5,625,697 4,449,238 5,297,210 5,319,736 6,134,524		
		5,214,707).pn.)) and (s/n adj ratio)		
	0	(((("5579431") or ("5625697") or ("5319736") or ("5297210") or ("4449238") or ("3274097") or	USPAT:	2002/10/18 15:18
		("2077799") or ("4627091") or ("6363156") or ("6339706") or ("6240347") or ("6052665") or	EPO; JPO	
	l l	("5561737"))PN.) or ((6,240,347 6,052,665 5,625,697 4,449,238 5,297,210 5,319,736 6,134,524		-
		5,214,707).pn.)) and (s?n adj ratio)		
	0	(((("5579431") or ("5625697") or ("5319736") or ("5297210") or ("4449238") or ("3274097") or	USPAT:	2002/10/18 15:19
		("2077799") or ("4627091") or ("6363156") or ("6339706") or ("6240347") or ("6052665") or	EPO: JPO	
		("5561737")).PN.) or ((6,240,347 6,052,665 5,625,697 4,449,238 5,297,210 5,319,736 6,134,524		
		5,214,707).pn.)) and SN		

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-	1	(((("5579431") or ("5625697") or ("5319736") or ("5297210") or ("4449238") or ("3274097") or	USPAT:	2002/10/18
		("2077799") or ("4627091") or ("6363156") or ("6339706") or ("6240347") or ("6052665") or	EPO: JPO	15:42
		("5561737")).PN.) or ((6,240,347 6,052,665 5,625,697 4,449,238 5,297,210 5,319,736 6,134,524	1 0, 0, 0	15.42
		5,214,707).pn.)) and (signal adj noise adj ratio)	ļ	1
-	0		USPAT:	2002/10/18
}		"5479517" "5598505" "4388495" "4415767" "4624009" "4627091" "4783807" "4937869"	EPO: JPO	15:34
1		"5007093" "5425127" "5522013" "5727124" "5732388" "5920839" "5949886" "6088670"	2.0.3.0	13.34
		"6266398" "6219645" "6219645" "5839109" "4570746" "4769845" "5692059" "5732143"		
		"5812659" "5825897" "6061456" "6061456" "5579431" "5617508" "6029130" "5983186"		į.
		"4481593" "5365574" "5933475" "6006180" "6134524" "4032710" "4292471" "4481384"		
		"5208861" "5884257").dwku.		
-	48	("4535473" "4592085" "5765130" "6061651" "6061651" "4763278" "5832440" "5008941"	USPAT:	2002/10/18
	1	"5479517" "5598505" "4388495" "4415767" "4624009" "4627091" "4783807" "4937869"	EPO: JPO	15:34
	i	"5007093" "5425127" "5522013" "5727124" "5732388" "5920839" "5949886" "6088670"	1 2, 3, 3, 0	15.54
		"6266398" "6219645" "6219645" "5839109" "4570746" "4769845" "5692059" "5732143"		
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		"5208861" "5884257").pn.		
-	9	(("4535473" "4592085" "5765130" "6061651" "6061651" "4763278" "5832440" "5008941"	USPAT:	2002/10/18
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		"5812659" "5825897" "6061456" "6061456" "5579431" "5617508" "6029130" "5983186"		
		"4481593" "5365574" "5933475" "6006180" "6134524" "4032710" "4292471" "4481384"		
		"5208861" "5884257").pn.		
		) and ((signal adj noise adj ratio) or sn adj ratio or s?n adj ratio)		
-	4	((("4535473" "4592085" "5765130" "6061651" "6061651" "4763278" "5832440" "5008941"	USPAT:	2002/10/18
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		"5007093" "5425127" "5522013" "5727124" "5732388" "5920839" "5949886" "6088670"		
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		"5812659" "5825897" "6061456" "6061456" "5579431" "5617508" "6029130" "5983186"		
		"4481593" "5365574" "5933475" "6006180" "6134524" "4032710" "4292471" "4481384"		
		"5208861" "5884257").pn.		
	1	) and ((signal adj noise adj ratio) or sn adj ratio or s?n adj ratio)) and aver\$4		
•	1859	aver\$4 same ((signal adj noise adj ratio) or sn adj ratio or s?n adj ratio)	USPAT;	2002/10/18
		·	EPO: JPO	15:52
-	12323	704/.ccls.	USPAT;	2002/10/18
	l		EPO; JPO	15:52

-	41	(aver\$4 same (signal adj noise adj ratio) or sn adj ratio or s?n adj ratio)) and 704/.ccls.	USPAT; EPO: JPO	2002/10/18 15:58
_	8	((aver\$4 same ((signal adj noise adj ratio) or sn adj ratio or s?n adj ratio)) and 704/.ccls.) and	USPAT:	2002/10/18
		(aver\$4 adj10 ratio)	EPO; JPO	15:59